

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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1 Chapter  
34-1-03

IN THE MATTER OF:

APPLICANT: ANTONIO JOSE DE ARAUJO PORTO

APPLICATION NO.: 09/837,951

EXAMINER: TRINH T. NGUYEN

FILED: APRIL 19, 2001

GROUP ART UNIT: 3726

FOR: METHOD OF MANUFACTURE AND ENTIRE PISTON, AND FORGING TOOL

March 27, 2003

PRELIMINARY AMENDMENT

Hon. Commissioner of Patents  
And Trademarks  
Washington, D.C. 20231

S I R:

Pursuant to the filing of the CPA and telephone interview held with the Examiner on March 24, 2002, please amend as follows:

IN THE SPECIFICATION:

Page 8, after line 19: insert the following:

-- In the initial manufacturing step (A)  
a rod-like and optionally cylindrical blank (1)  
is upset and provided with a skirt 22 and a  
cavity 2, whereby contours 3-6 are shaped onto  
the skirt 22 along a longitudinal axis 1' in  
the vicinities of its inner and outer  
circumferences 3 and of its upper and lower  
faces 4.

In the subsequent manufacturing step (B)  
further contours 6 are shaped onto the  
preliminarily-shaped piston 7 along another  
axis 1" by forging at approximately 90° to the  
first axis 1', especially the longitudinal  
axis. --

IN THE CLAIMS:

Change claims 16-26 to read as follows:

-- 16. A method of manufacturing an entire piston for  
internal-combustion engines comprising the steps of: